

IN THE ABSTRACT

Please delete the Abstract and replace with the following:

ABSTRACT OF THE DISCLOSURE

A motor controller is provided including a synchronous motor, a feed back detector for detecting the position and velocity of the rotor of the synchronous motor, a detector for detecting a magnetic pole position of the rotor of the synchronous motor, an inverter for controlling an electric power to be supplied to the synchronous motor, an estimator for estimating the magnetic pole position of the rotor of the synchronous motor, and a detector for detecting the abnormality of the feed back detector.